





**BISPHOSPHONIC ACID DERIVATIVE AND ITS RADIOACTIVE ISOTOPE-LABELED PRODUCT**

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**Abstract of JP2001114792**

**PROBLEM TO BE SOLVED:** To provide a bisphosphonic acid derivative and its radioactive isotope-labeled bisphosphonic acid derivative which are quickly accumulated in bones and rapidly excreted in urine. **SOLUTION:** The bisphosphonic acid derivative and its radioactive isotope-labeled bisphosphonic acid derivative which are represented by formula (1): R-Y-A, wherein A is a bisphosphonic acid having a P-C-P bond or its salt; R is the group of either of a polyaminopolycarboxylic acid of formula (2), an aliphatic carboxylic acid and a mercaptoacetyl polyamino acid or their derivatives; X is a halogen atom or its isotope or an alkyl tin; Z is the group of either of an aminocarboxylic acid, an alkyl or substituted alkylcarboxylic acid, and an alkyl or substituted alkylsulfonic acid; Y is a bond portion such as a methylene bond or an amide bond.

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